

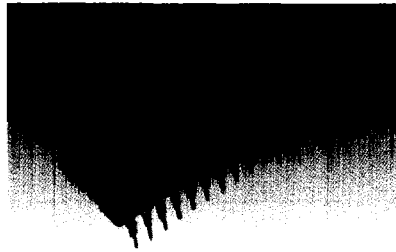
HIGH SPEED ADCs

PRODUCT
LINE UP

Device	Resolution	Throughput	INL	DNL	Power Dissipation	Supply Voltage	Package
AK9202-VP	16	100kHz	0.003%	16bit	270mW (1mW)	+ / −5V	28 pin DIP
AK9202-KP			0.002%	16bit			
AK9203-VP	16	10kHz	0.003%	16bit	32mW (1mW)	+ / −5V	
AK9203-KP			0.002%	16bit			
AK9216-VS	16	100kHz	0.003%	16bit	80mW (1mW)	+5V	28 pin SOP
AK9217-VS	16	250kHz	0.003%	16bit	120mV	+5V	28 pin SOP

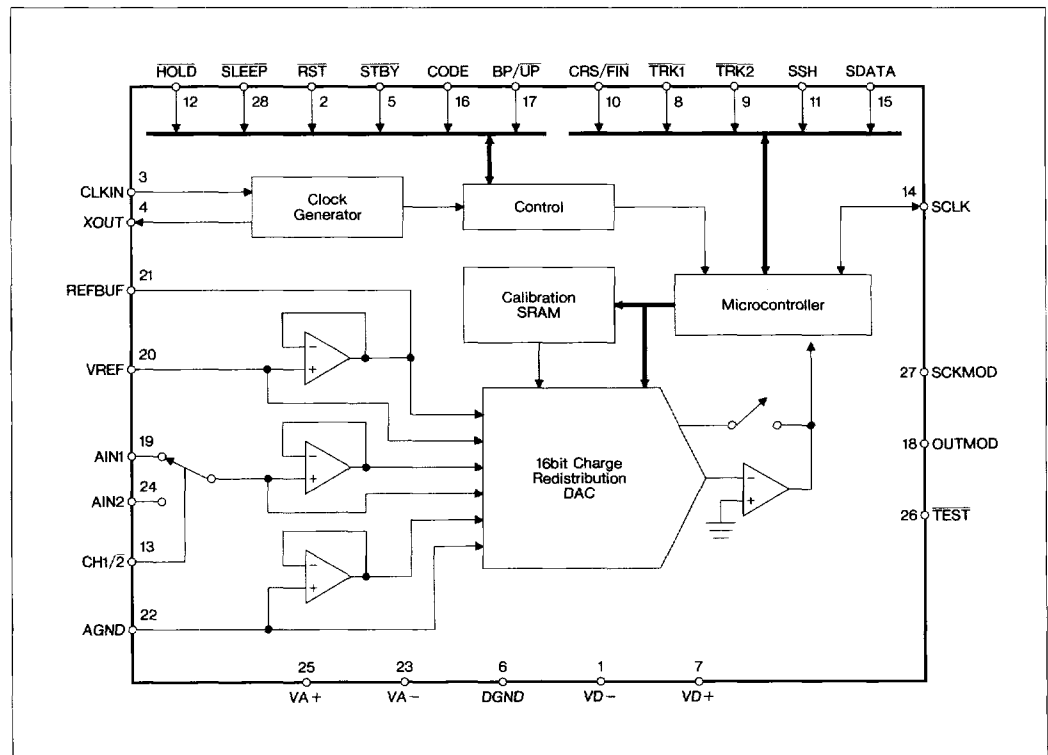
AK9202/03

16bit Self-Calibration SAR ADC



28pin DIP (13.8×37.3×3.8mm)

- ① Self Calibration Circuit
- ② On chip Sample/Hold
- ③ On chip 2ch MUX
- ④ Throughput Rate: 100kHz (AK9202)/10kHz (AK9203)
- ⑤ INL: 0.003%
- ⑥ DNL: 16 bit (–KP)/16 bit (–VP)
- ⑦ S/(N+D): 90dB
- ⑧ Low Power Dissipation: 32mW (AK9203)/270mW (AK9202)
(1mW at power down)
- ⑨ Serial Interface
- ⑩ Package: 28 pin DIP



AK9202/03 BLOCK DIAGRAM